

From: [REDACTED]
To: [REDACTED]
Cc: [REDACTED]
Subject: FW: SZC Station Milestones - ONR Letter
Date: 31 January 2024 14:52:05
Attachments: [image001.jpg](#)
[image005.jpg](#)

Hi [REDACTED],

Just to confirm on milestone/dates for the sea defence design (HCDF). Below is the statement provided to East Suffolk Council on the matter. And to confirm, we are initially designing to the 2140 date.

Thanks

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]



From: [REDACTED]
Sent: Tuesday, January 16, 2024 4:27 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: SZC Station Milestones - ONR Letter

As part of the consultation on the sea defence design report (Requirement 19) we state that the ISFS date is now likely 2160. East Suffolk Council asked us to provide assurance that the design of the sea defences remained sufficient for that date. For the HCDF Atkins confirmed this; for the SCDF Cefas confirmed this. For info responses below:

HCDF

The Adaptive Design is intended to allow the initial design to be extended to reflect higher sea levels and worse storms than those included in the base design. The specific level and form of any adaptive would likely be refined prior to the point it was needed and so the details of Adaptive Design would be confirmed if/when it was enacted. This would then allow for specific, known climate change criteria as well as catering for any changes in required design life. While it is correct that the option to provide localised flood protection of the ISFS is being looked at, we note for the avoidance of doubt that, although this is not consented, the existing HCDF design is valid for a 2160 date.

SCDF

SZC is confident that the SCDF can be maintained until 2160 and is committed to do so, even with shorter recharge intervals (RIs) towards 2160. We accept that TR544 modelled only to 2140 and not

2160, however, by using the sand model (which over estimates erosion) at 2140 and the Dutch Design Method (i.e. increase losses by 40% more than predicted) we get a RI of 10 years at 2160 (using linear interpolation). Losses won't necessarily be linear because SLR over 20 years won't be linear, but the model is very conservative, the average TI isn't likely to be below 10 and SZC is comfortable with an RI of 4 (the very worst case modelled) at that late stage of the station, even if such a climate change scenario did occur.

Thanks

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